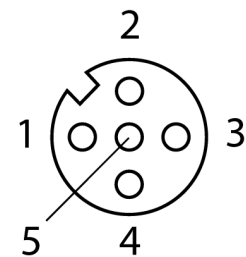
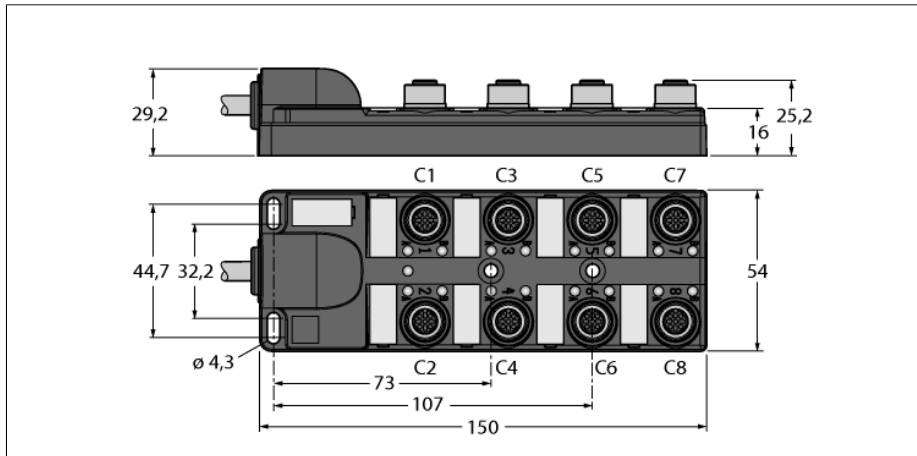


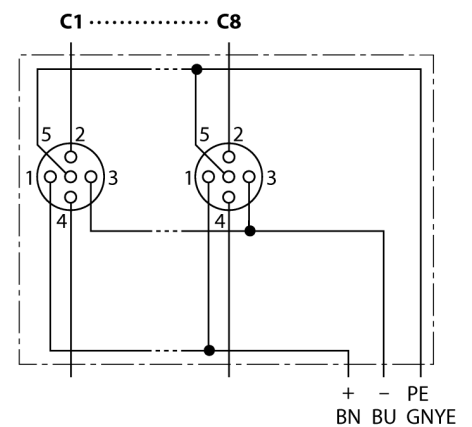
**Passive actuator/sensor junction box, M12 x 1
8-port, with integral homerun cable
TB-8M12-5-2/TXL**

- Housing material: Nylon
- Housing color: black
- Protection class IP67
- RoHS conform
- cULus approval submitted
- Qualified for drag chain use
- I/O port (number of pins): 4-pin + PE

I/O port M12 x 1



circuit diagram



Type code	TB-8M12-5-2/TXL
Ident no.	6611947
I/O junction box	8-port, with integral homerun cable
Housing	plastic, PA 6 GF, black
I/O port	female connector, M12 x 1
Number of pins	4+PE
Thread insert	metal, CuZn, nickel-plated
Contact carriers	plastic, PA, black
Contacts	metal, CuZn, gold-plated
Seal	plastic, FPM (Viton)
Mechanical lifespan	> 100 mating cycles
Cable length	2m
Cable sheath	PUR, BK
Core insulation	PVC
Core colors	VT, RD, GY, GN, BK, WH, PK, YE, RDBU, GYPK, WHGN, WHYE, WHGY, YEEN, BNGN, GYBN, BN, BU, GNYE
Core cross-section	16x0.32mm ²
Bending radius (mobile)	3x0.82mm ² min. 15 x Ø cable
Rated voltage [U_{max}]	10 30V
Ampacity	2 A per signal contact, total current 9 A
Forward resistance	≤ 5 mΩ
Insulation resistance	≥ 10 ⁹ Ω
Ambient temperature junction	-40 ... +85°C
Degree of protection	IP67
Pollution degree	only in screwed-on condition 3

**Passive actuator/sensor junction box, M12 x 1
8-port, with integral homerun cable
TB-8M12-5-2/TXL**

Wiring

Port/Pin	C1/2	C1/4	C2/2	C2/4	C3/2	C3/4	C4/2	C4/4
M23 flange	7	15	4	5	8	16	14	3
Cable	GYPK	WH	RDBU	GN	WHGN	YE	BNGN	GY

Port/Pin	C5/2	C5/4	C6/2	C6/4	C7/2	C7/4	C8/2	C4/4
M23 flange	9	17	13	2	10	11	18	1
Cable	WHYE	PK	YEEN	RD	WHGY	BK	GYBN	VT

Power C1-C8	24 V	0 V	PE
M23 flange	19	6	12
Cable	BN	BU	GNYE

Scope of delivery

Device	Quantity	Description
Junction box	1	Passive actuator/sensor junction box
VZ 3	2	Closure caps for female M12
KS9/20	9	Labels

Accessories

Ident no.	Designation	Description
6900196	CK19-0	Field-wireable female M23, 19-pin, straight
6930225	CS19-0	Field-wireable male M23, 19-pin, straight
6625616	RKC5T-2-RSC5T/TXL	Actuator/sensor cable, female M12 - male M12, straight, 5-pin, 2 m *
8000004	VZ 3	Closure caps for female M12
8015002	KS9/20	Labels

* Other lengths available on request